

Work Order ID 60898

Monday, July 26, 2010 1:56:47 PM



Page 1

| | | | | | | |
|----------------|--------------------------------------|------------|------|-------|---------------|--|
| Item ID: | D4151-043 | Accept | | Setup | Start | |
| Revision ID: | | | | | Stop | |
| Item Name: | Basket Fwd Hardpoint Assembly, Upper | | | | | |
| Start Date: | 7/26/2010 | Start Qty: | 4.00 | | Cust Item ID: | |
| Required Date: | 8/2/2010 | Req'd Qty: | 4.00 | | Customer: | |
| Reference: | | | | | | |

| | | | | | | | | | | | |
|------------|---------------|--|-------|---------|------------|--|-------|--|-----|-------|--|
| Approvals: | Process Plan: | | Date: | 10/7/24 | Tooling: | | Date: | | Run | Start | |
| | QC: | | Date: | | SPC (Y/N): | | Date: | | | Stop | |

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| D4151 | B | | | | | | | | |

100 0.00



Small Fab

Small Fab

Memo

1- Assemble as per dwg

Trim rivets to 1.250" long

AS

0.00

10/08/25

Pho →

110 0.00



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

8/10/08/25

74

120 0.00



Packaging

Packaging


Identify as per dwg & Stock Location: 124

Memo

0.00

10/18/25

Dart Aerospace Ltd

| W/O: 60898 | | WORK ORDER CHANGES | | | | | | |
|------------|----------|--|---|----------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | Perm. change | | | | | | |
| 10/08/25 | # 100 | Remove note to train Rivets. no longer needed now Assemblies with Rivets |  | 10/08/25 | | | J 10/08/25 | |
| | | | | | | | | |

Part No: D4151-043 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
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NOTE: Date & initial all entries

Work Order ID 60898

Monday, July 26, 2010 1:56:47 PM

Page 2

Item ID: D4151-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Basket Fwd Hardpoint Assembly, Upper

Start Date: 7/26/2010 Start Qty: 4.00

Cust Item ID:

Required Date: 8/2/2010 Req'd Qty: 4.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/08/26 *[Signature]*
mf
10-8-25

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
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NOTE: Date & initial all entries

Picklist Print

Monday, July 26, 2010 1:56:51 PM

Page 1

Work Order ID: 60898

Parent Item: D4151-043

Parent Item Name: Basket Fwd Hardpoint Assembly, Upper





Start Date: 7/26/2010

Required Date: 8/2/2010

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A 10.06.24 new issue DD verf:EC
IPP Rev:B 10.07.22 as per revB DD verf:JLM

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| D4151-3  | | Manufactured | No | | | 100 | Each | 0.0000 | 2 | 8 | | | |
| Upper Hardpoint Plate | | | | | | B61015 | | (8x) | | | | Ep 5/10/08/25 | |
| D4151-7  | | Manufactured | No | | | 100 | Each | 0.0000 | 1 | 4 | | | |
| Fwd Eyebolt Receiver (Upper) | | | | | | B61233 | | (4x) | | | | Ep 5/10/08/25 | |
| AN3C13A  | | Purchased | No | | | 100 | Each | 0.0000 | 2 | 8 | | | |
| Bolt | | | | | | M115457 | | (8x) | | | | Ep 5/10/08/25 | |
| MS21043-3  | | Purchased | No | | | 100 | Each | 2,985.000 | 2 | 8 | | | |
| Nut | | | | | | | | | | | | Ep 5/10/08/25 | |

Location

Loc Qty

Loc Code

FG
103691
ST301
107280
112314

76
76
2909
4
2905

8

NAS1149C0332R

Purchased

No

100

Each

3,480.000

4

16



Washer

Location

Loc Qty

Loc Code

ST297
113524
113737
115000

3480
10
150
3320

16

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
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NOTE: Date & initial all entries

| ITEM | QTY -041 | QTY -043 | P/N | DESCRIPTION |
|------|-------------|-------------|---------------|-----------------------------------|
| | X | | D4151-041 | BASKET FWD HARDPOINT ASSY (LOWER) |
| | | X | D4151-043 | BASKET FWD HARDPOINT ASSY (UPPER) |
| 1 | 2 | | D4151-1 | LOWER HARDPOINT PLATE |
| 2 | | 2 | D4151-3 | UPPER HARDPOINT PLATE |
| 3 | 1 | | D4151-5 | FWD BASKET INSTL STUD (LOWER) |
| 4 | | 1 | D4151-7 | FWD EYEBOLT RECEIVER (UPPER) |
| 5 | 2 | 2 | AN3C13A | BOLT |
| 6 | 2 | 2 | MS21043-3 | NUT |
| 7 | 4 | 4 | NAS1149C0332R | WASHER |

SHOP COPY
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UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 60895
2010-7-26

RELEASED
2010-07-16
MB

D4151-043 BASKET FWD HARDPOINT ASSY (UPPER)

D4151-041 BASKET FWD HARDPOINT ASSY (LOWER)

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4151-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT:
 - D4151-041 = 0.84 lbs
 - D4151-043 = 1.17 lbs

| B | ADDED D4151-5/-7 (SHT 3); D4151-5 WAS D3911-1 (ZN B6-1 & D3-1); D4151-7 WAS D3911-3 (ZN C4-1 & D3-1) ITEMS #5, 6 & 7 REPLACE MS20615-MM20 (ZN C3-1, D3-1 & B6-1); Ø0.191 2 PL REPLACES Ø0.129 3 PL (ZN C5-2); Ø0.191 2 PL REPLACES Ø0.129 4 PL (ZN D1-2); REASON: SEE TR-D390-607-2 REV. B. | MB | 10.07.05 |
|------------|---|----|----------|
| A | NEW ISSUE | MB | 10.06.22 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | | | |
| DRAWN | | | |
| CHECKED | | | |
| MFG. APPR. | | | |
| APPROVED | | | |
| DE APPR. | | | |
| DATE | 10.07.05 | | |

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4151** REV. B
SHEET 1 OF 3

TITLE **BASKET FWD HARDPOINT** SCALE NTS

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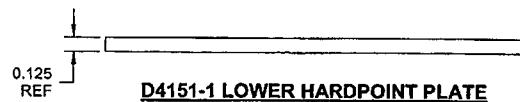
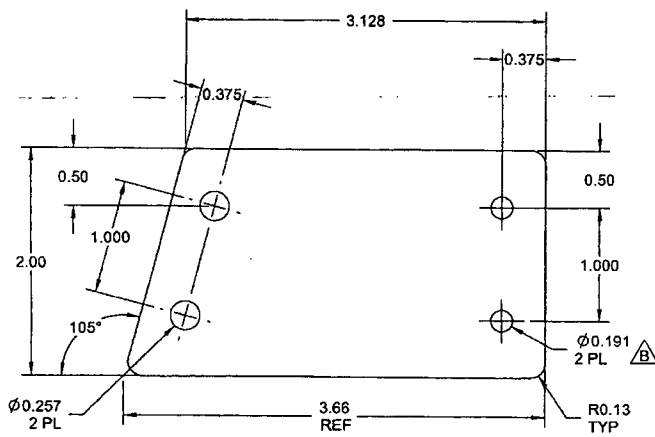
| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

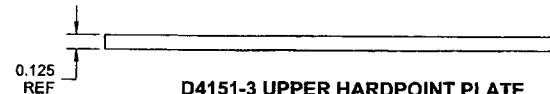
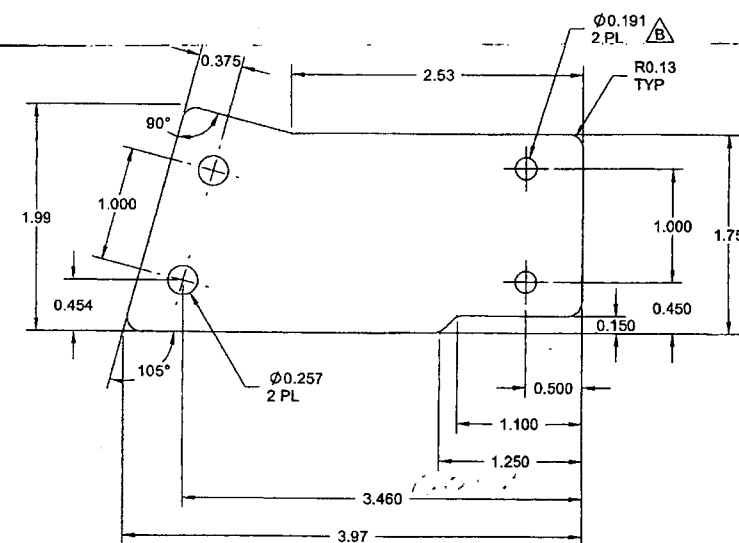
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries



D4151-1 LOWER HARDPOINT PLATE



D4151-3 UPPER HARDPOINT PLATE

NOTES:

- 1) MATERIAL: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.125 THK
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S11GA OR M303S11GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY AT ASSEMBLY
- 7) WEIGHT:
- D4151-1 = 0.24 lbs
- D4151-3 = 0.23 lbs.

| | | | |
|------------|-----------------|---|--------------|
| DESIGN | | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. B |
| MFG. APPR. | | D4151 | SHEET 2 OF 3 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | BASKET FWD HARDPOINT | NTS |
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2010-07-16

w/o 40898

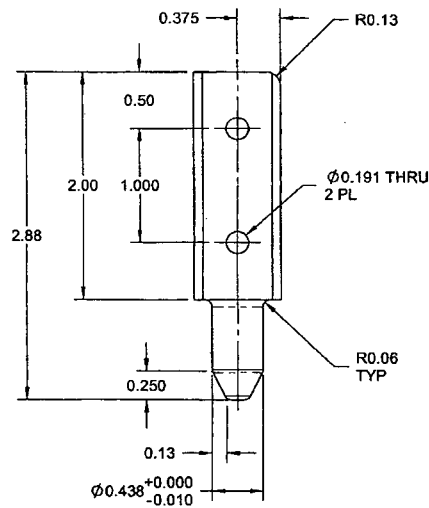
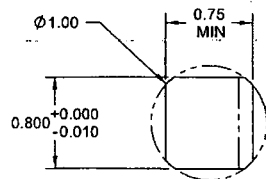
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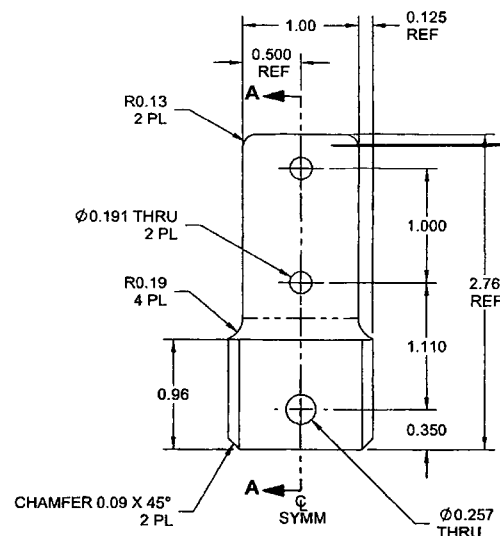
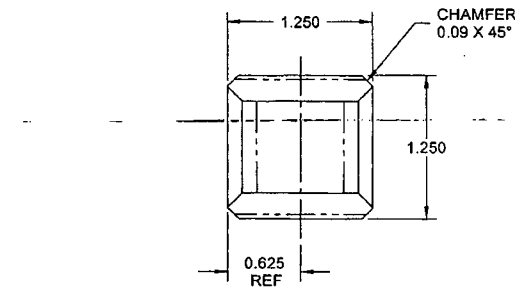
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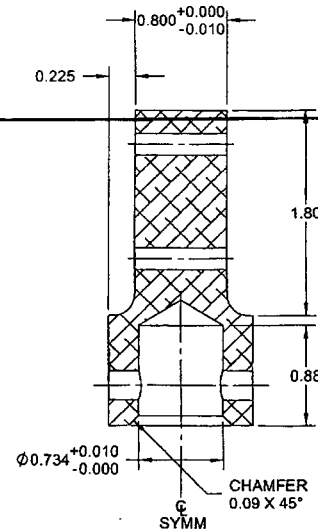
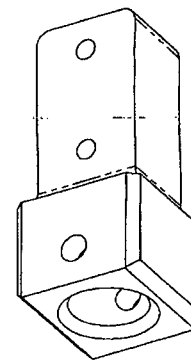
NOTE: Date & initial all entries



D4151-5 FWD BASKET INSTL STUD (LOWER)



D4151-7 FWD EYEBOLT RECEIVER (UPPER)



SECTION A-A

NOTES:

- 1) MATERIAL -5: 303/304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276 OR ASTM A582 PER DART SPEC M303R OR M304R
- 7: 303/304/316 STAINLESS STEEL BAR, PER ASTM A276 OR ASTM A582 PER DART SPEC M303B OR M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY AT ASSEMBLY
- 7) WEIGHT -5: 0.36 lbs
- 7: 0.70 lbs

WLO 40898

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|------------|----------|--|--------------|
| DESIGN | | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. D4151 | REV. B |
| MFG. APPR. | | | SHEET 3 OF 3 |
| APPROVED | | TITLE BASKET FWD HARDPOINT | SCALE |
| DE APPR. | | | NTS |
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2010-07-16
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